

**Amendments to the Claims**

1. (*Original*) A method of determining an angle  $\alpha$  of an external magnetic field relative to a magneto resistive angle sensor with two full bridges which respectively supply an output signal  $U_1 = U_0 \sin(2\alpha)$ ,  $U_2 = U_0 \cos(2\alpha)$ , characterized in that the angle  $\alpha$  is determined in an analog manner using the relation  $\alpha = \frac{1}{2} * ((U_1/(|U_1|+|U_2|))^{-1} * \text{sgn}(U_2))$ .
2. (*Currently Amended*) ~~A method as claimed in claim 1,~~ The method as recited in claim 1, characterized in that AMR anisotropic magneto resistive (AMR) bridges are used.  
~~bridges are used, in particular Wheatstone bridges.~~
3. (*Currently Amended*) ~~A method as claimed in claim 1 or 2,~~ The method as recited in claim 1, characterized in that output signals of the bridges are processed using analog elements.
4. (*Currently Amended*) ~~The use of the method as claimed in any of claims 1 to 3 in motor vehicle technology, in particular for pedal monitoring and/or throttle monitoring,~~  
as recited in claim 1 in motor vehicle technology, for monitoring at least one of the following: pedal or throttle.
5. (*New*) The method as recited in claim 2, characterized in that output signals of the bridges are processed using analog elements.
6. (*New*) The method as recited in claim 2, characterized in the AMR bridges are Wheatstone bridges.
7. (*New*) The use of the method as recited in claim 2 in motor vehicle technology, for monitoring at least one of the following: pedal or throttle.
8. (*New*) The use of the method as recited in claim 3 in motor vehicle technology, for monitoring at least one of the following: pedal or throttle.

9. (*New*) The method as recited in claim 4, wherein the pedal includes at least one of the following: brake pedal, gas pedal.